



Secretariat of ISO/TC 20/SC 13

our date
1999-4-22
your date

our reference
ISO/TC 20/SC 13/N189
your reference

TO: ISO/TC20/SC13 Mailing List

FROM: ISO/TC20/SC13 Secretariat

SUBJECT: Draft Minutes of ISO/TC20/SC13 Meeting of 6 November 1998

Attached is a copy of the draft minutes of the 6 November 1998 meeting of ISO/TC20/SC13 (SC13) held in Darmstadt, Germany.

Best regards,

A handwritten signature in black ink, appearing to read 'David Townley', is written over a printed name.

David Townley
ISO/TC 20/SC 13 General Secretary

Attachment

Subject: Minutes of the Sixteenth International Organization for Standardization
(ISO)/Technical Committee (TC) 20/ Subcommittee (SC) 13 Meeting

Place: Darmstadt, Germany

Date: 6 November 1998

ATTENDANCE

<u>Name</u>	<u>Country/Organization</u>
Eduardo Bergamini	Brazil/IMPE
Arvind Bastikar	Canada/CSA
Qian Xiaolian	China/CAST
Wang Guangyue	China/CAST
Li Pan	China/CAST
Klaus Lenhart	ESA/ESOC
Carlo Mazza	ESA/ESOC
Roland Ivarnez	France/CNES
Jean Latour	France/CNES
Masami Kashimoto	Japan/NASDA
Yoshio Inoue	Japan/NASDA
David Giaretta	UK/BNSC
Peter Vaughan	UK/BNSC
Adrian Hooke	USA/NASA
David Townley	USA/NASA
Neil Dissinger	USA/NASA

1. OPENING OF MEETING

The meeting was convened by Mr. Jean Latour.

2. ROLL CALL

Mr. Latour conducted a roll call; representatives from Russia were not in attendance. Mr. Latour welcomed all who were in attendance.

3. ADOPTION OF THE AGENDA

The agenda was approved.

4. APPOINTMENT OF DRAFTING COMMITTEE

In compliance with the ISO requirement to appoint a drafting committee, SC 13 resolved that Mr. Neil Dissinger, in support of the SC 13 Secretariat, would be responsible for drafting and distributing the meeting minutes (Resolution N184-1).

5. REPORT OF THE SECRETARIAT

Mr. Townley presented the Secretariat's Report (Attachment A). The report was adopted without comment.

Review of action items: Mr. Townley reviewed the status of action items from the previous meeting (see Attachment B for list of actions).

SC-13/93-1 - The action item continues open.

SC-13/98-1 - Closed. Mr. Mazza will act as the liaison with the ECSS (European Cooperation for Space Standardisation).

SC-13/98-2 - Closed. It was decided to not change the name of SC 13

SC-13/98-3 - Closed. A white paper will not be developed to address the SC 13 name change.

SC-13/98-4 - Closed. A joint meeting between SC 13 and SC 14 is planned at the Unispace Conference. A resolution was made to endorse cooperation with SC 14 to promote standardisation activities.

Approval of draft minutes: The draft minutes of the June 1998 meeting held in Tokyo, Japan, were approved.

Review program of work. Mr. Townley presented the status of the program of work (see Attachment C). Due to a planned review and possible update to CCSDS 704.0-B-1 (DIS 15890), it was suggested to delay the ISO approval of this document. Mr. Townley was issued an action item (SC-13/98-5) to correspond with ISO Central to explain the status of the document and request that ISO approval be delayed for 1 year. Also, SCPS documents should be delayed for ISO approval pending a final edit by CCSDS P1F. Mr. Townley will also correspond with ISO Central concerning this issue (SC-13/98-6).

6. REPORT OF THE DELEGATES REGARDING ACTIVITIES RELATING TO SC 13

BRAZIL: Mr. Bergamini stated that there is serious commitment at INPE to promote TC 20. Current activities include an interest in Space Station activities. Mr. Bergamini presented slides that showed the relationship between technical standards organizations in Brazil (see Attachment D).

CANADA: Mr. Bastikar reported that CSA and government standards organizations review all CCSDS documents for consideration as national standards. Manufacturers are required to comply with these standards. CSA is currently restructuring their agency which is scheduled to be completed by the beginning of 1999. Standards activities will also be reevaluated.

CHINA: Mr. Pan reported that CAST supports the activities of SC13 and continues work on the translations of CCSDS and ISO documents. CCSDS standards have been used to develop equipment that supports packet telemetry. (See Attachment E.)

FRANCE: Mr. Ivarnez reported that France had approved the following ISO documents: DIS 15888, DIS 15889, DIS 15890. France has abstained from voting on the SCPS documents. A recommendation to delay the translation of CCSDS 704.0-B-1 due to a pending review and possible update. (See Attachment F for full report.)

JAPAN: Mr. Kashimoto reported that the Space Data Committee had approved the following ISO documents: DIS 15887, DIS 15888, DIS 15889, DIS 15891, DIS 15892, DIS 15893, and DIS 15894. (See Attachment G for full report.)

GREAT BRITAIN: Mr. Vaughan reported that the UK had approved seven DIS documents. Mr. Vaughan added that 15 CCSDS documents have been adopted as BSI standards. A workshop on archiving and data access was held in October. Participants were impressed that CCSDS Recommendations were also ISO standards. (See Attachment H for full report.)

UNITED STATES: Mr. Hooke reported that the US has completed balloting and approved seven standards. Mr. Hooke presented a SC13 status report at the TC20 Plenary meeting which was well received. Mr. Hooke discussed a joint program of work between SC 13/SC 14 and a joint session at the Unispace Conference. Mr. Townley will contact the Secretariat of SC 14 to determine the scope of the effort and to define an agenda for the joint session at the Unispace Conference (Action Items SC 13/98-7 and SC 13/98-8) (See Attachment I for full report.)

7. REPORT OF LIAISON ORGANIZATIONS REGARDING ACTIVITIES

There were no liaison reports.

8. REPORT OF DEVELOPMENTS RELATING TO ISO ENDORSEMENT/ RECOGNITION OF EXISTING STANDARDS FROM NON-ISO BODIES

No documents have been submitted for progression as ISO documents.

9. REPORT ON STATUS OF SC 13 WORK IN PROGRESS

The status of SC 13 work in progress was covered during the Secretariat report.

10. REQUIREMENTS CONCERNING A SUBSEQUENT MEETING

Traditionally, the SC 13 meeting follows the CCSDS Management Council (MC) meeting. The next MC meeting will be hosted by the National Aeronautics and Space Administration and is scheduled for 17-18 May 1999 in Newport Beach, California. Therefore, the next SC 13 meeting will be held in the morning of 19 May 1999 . The Fall 1999 SC 13 meeting will be hosted by European Space Agency in Frascati, Italy and will be held on 20 October 1999.

11. ANY OTHER BUSINESS

No other business was reported.

12. APPROVAL OF RESOLUTIONS AND ACTION ITEMS

Mr. Dissinger read the proposed resolutions and action items, which were approved.

DRAFT RESOLUTIONS

ISO/TC 20/SC 13 MEETING

Darmstadt, Germany

06 November 1998

N184-1. In compliance with the ISO requirement to appoint a drafting committee, SC 13 resolves that Neil Dissinger will be responsible for drafting and distributing the 06 November 1998 meeting minutes.

N184-2. SC 13 resolves to endorse a cooperative effort with SC 14 in promoting the standardization activities of both organizations.

N184-3. SC 13 resolves to accept the proposal of the National Aeronautics and Space Administration (NASA) to host the Spring 1999 SC 13 Meeting at a place to be determined in the Pasadena, California area. The scheduled date is 19 May 1999.

N184-4. SC 13 resolves to accept the proposal of the ESA/ESRIN to host the Fall 1999 SC 13 Meeting at Frascati, Italy. The scheduled date is 20 October 1999.

N184-5. SC 13 resolves to accept the proposal of the CNES to host the Spring 2000 SC 13 Meeting at Toulouse, France. The schedule is to be determined at a later date.

N184-6. SC 13 thanks the European Space Agency for their excellent support and hospitality provided to SC 13 at the 06 November 1998 meeting in Darmstadt, Germany.

N184-7. SC 13 resolves to express its sincere appreciation to Mr Erhard Jabs for his excellent contributions provided to the CCSDS/SC 13 community as ESA representative .

DRAFT ACTION ITEMS

ISO/TC 20/SC 13 MEETING

Darmstadt, Germany

06 November 1998

The Subcommittee agreed to continue Action Item One from the Vienna meeting. (For convenience, this action is repeated below.)

SC-13/93-1. SC 13 members should investigate recommendations being developed by standards bodies other than CCSDS, and consider whether any of these recommendations should be submitted to SC 13 with the goal of becoming ISO standards.

Assignee: All SC 13 Members and Liaison Organizations

Due Date: Open -- continuing action

SC-13/98-5. The Secretariat will correspond with ISO Central to request a one-year delay in the approval of CCSDS 704.0-B-1 pending an internal review to assess the practicality of updating the document to reflect current technology or reassigning as a Green book for reference purposes.

Assignee: Secretariat

Due Date:

SC-13/98-6. The Secretariat will correspond with ISO Central to request a delay in the final review of the SCPS Red Books until final edits are completed and approved by P1F. After P1F approval, the books will be approved for Blue status by the Management Council and then forwarded for ISO FDIS review.

Assignee: Secretariat

Due Date:

SC-13/98-7. The SC13 Secretariat will contact the Secretariat of SC14 to coordinate the development of a program of work for joint SC13/SC14 activities.

Assignee: Secretariat

Due Date:

SC-13/98-8. The SC13 Secretariat will contact the Secretariat of SC14 to coordinate the development of an agenda for a joint SC13/SC14 session at the July 1999 Unispace conference.

Assignee: Secretariat

Due Date:

SC-13/98-9. The SC13 Secretariat will update the table: "Status of ISO/TC/20/SC13 Documents"

Assignee: Secretariat

Due Date:

ATTACHMENT A
SECRETARIAT'S REPORT

ISO TC20 SC13 Secretariat Report

**Darmstadt, Germany
1998-11-06**

Enclosed are the following documents:

<u>Document</u>	<u>ISO/TC20/SC 13 N#</u>
Draft Agenda	N175.1
ISO/TC20/SC13 Directory	N 21
Log on “N” Numbered Documents	N 18
Status of ISO/TC20/SC13 Work Program as of November 1998 Completed Work Items	N132
Log of Documents Received from ISO Central Secretariat	N/A

**16th Meeting of ISO/TC 20/SC 13
Darmstadt, Germany
6 November 1998**

Agenda

1. Opening of the meeting (13:30)
2. Roll call of delegates
3. Adoption of the agenda (ISO/TC 20/SC 13/N175)
4. Appointment of drafting committee
5. Report of the secretariat:
 - Action Items (See Attachment B)
 - Approval of Draft Minutes of the June 1998 Meeting
 - Review Program of Work
6. Report of delegates regarding activities relating to SC 13
7. Report of liaison organizations regarding activities relating to SC 13
8. Consideration of new projects/endorsement of existing standards from non-ISO bodies
9. Requirements concerning a subsequent meeting
10. Any other business:
 - SC-13/SC-14 /Coordination Meeting
11. Approval of resolutions and action items
12. Closing of the meeting (16:30)

ISO/TC 20/SC 13 DIRECTORY

ISO/TC 20/SC 13/N21

Revision date: 2 October 1998

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Please report any errors, omissions, or changes to this directory to the ISO TC 20/SC 13 Secretariat at the address/number below.

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ISO/TC 20/SC 13/N21

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ISO/TC 20/SC 13/N21

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LOG OF DOCUMENTS FOR ISO TC 20/SC 13

"N"- Numbl	Date Issued	Status *	Description
=====			
N1	90-04-26	S (N1/1)	Notice of 90-09-24 meeting/Draft Agenda
N1/1	90-08-14		Revised Agenda
N2	90-09-24	S (N20)	USSR Proposal on Liquid Rocket Engine Testing
N3	90-09-24		ISO TC 20/SC 13 Charter & Scope
N4	90-09-25		Report of SC 13 Secretariat
N5	90-09-25		Resolutions of First Meeting
N6	90-10-15		Minutes of First Meeting
N7	90-10-15	S (N18)	Communications Log
N8	90-10-15	S (N15)	Project Log
N9	91-02-14	S (N18)	DIS 11103 Radio Metric & Orbit Data (English)
N10	91-02-14		DIS 11103 Radio Metric & Orbit Data (French)
N11	91-02-14		DIS 11104 Time Code Formats (English)
N12	91-02-14		DIS 11104 Time Code Formats (French)
N13	91-02-14		Cancellation Notice for 25 April 1991 SC 13 Meeting
N14	91-02-14	S (N18)	Communications Log
N15	91-02-14		Project Log
N16	91-03-05	S (N165)	SC 13 Status Report to TC 20 Plenary
N17	91-03-05		SC 13 Master Plan
N18	91-03-05		Log of "N" Numbered Documents
N19	91-04-26		Preliminary Notice of Meeting and Status Report
N20	91-04-26		ISO TC 20/SC 13 Charter & Scope (Approved at TC 20 Plenary)
N21	91-04-26		SC 13 Master Directory
N22	91-06-19		Notice of 91-10-03 meeting/Draft Agenda
N23	91-06-27		Meeting Arrangement Letter to Delegates
N24	91-09-13		ISO/TC 20/WG 6 Status and Future Activities (reissue of ISO/TC 20 N2671)
N25	91-09-13		Report on Ballot for DIS 11103 and DIS 11104

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
=====			
N26	91-10-03		Liaison to CCSDS re new topics
N27	91-10-03		Contribution on the formation of new TC for Space (Abram)
N28	91-10-03		New work proposal by France (included in ballot response to DIS 11103/11104)
N29	91-10-03		Work on ISO on Certification and Quality Assurance (Abram)
N30	91-10-03		Draft of ISO Development Program for 1992-1994 (Abram)
N31	91-10-09		Liaison Report to CCSDS
N32	91-12-01		ISO 11103 (IS on Radio Metric and Orbit Data)
N33	91-12-01		ISO 11104 (IS on Time Code Formats)
N34	91-12-31		Welcoming letter to JISC as P-Member
N35	91-12-31		Minutes of second meeting of ISO/TC 20/SC 13
N36	92-02-21	S(N38/1)	Draft agenda for 92-05-22 meeting
N37	92-04-22		Report of the secretariat at 92-05-22 meeting
N38	92-04-22	S(N38/1)	Second notice/agenda for 92-05-22 meeting
N38/1	92-05-22		Approved agenda of 92-05-22 meeting
N39	92-05-22		Presentation by Mr. Abram
N40	92-05-22		Sustainable Industrial Development paper (Abram)
N41	92-05-22		Article (N40 topic) from ISO Bulletin (92-04)
N42	92-05-22		Notice on Symp. on Space Tech. for Environment
N43	92-05-22		World-wide Recognition of OSI Test Results
N44	92-05-22		Resolutions of 92-05-22 meeting of ISO/TC 20/SC 13
N45	92-07-22		Minutes of 92-05-22 meeting of ISO/TC 20/SC 13
N46	92-07-22		Report of ISO/TC 20/SC 13 to ISO/TC 20 Plenary (92-10)
N47	92-08-10		Draft Agenda for 92-11-17 meeting of ISO/TC 20/SC 13

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
=====			
N48	92-08-10		Hotel Arrangements for 92-11-17 Meeting
N49	92-12-15		Letter to ISO Central Secretariat re 92-11-17 Meeting
N50	92-12-11		Letter to Ziemann re ISPRS Type B Liaison
N51	92-12-17		Minutes of 4th meeting of ISO/TC 20/SC 13
N52	93-01-29		Letter to ISO Central Secretariat re DIS 12175 ballot request
N53	93-03-17		Draft Agenda for 93-06-09 meeting of ISO/TC 20/SC 13
N54	93-02-22		SC13 Secretariat Report for 93-06-09 Meeting
N55	93-04-26		Revised Notice of 93-06-09 Meeting and Agenda
N56	93-06-09		Minutes of 5th meeting of ISO/TC20/SC13 (Brazil)
N57	93-07-08		Letter to ISO Central Secretariat
N58	93-07-26		Preliminary Notice of 93-10 Meeting and Agenda
N59	93-09-20		Revised Notice of 93-10 Meeting and Agenda
N60	93-10-29		SC 13 Secretariat Report to ISO/TC20/SC13 Meeting in Vienna
N61	93-11-14		Minutes of 6th Meeting of ISO/TC20/SC13 (Vienna)
N62	94-01-24		Preliminary Notice of 93-05-06 Meeting and Agenda
N63	94-02-25		SC13 Secretariat Report to TC20 Plenary at Beijing
N64	94-02-25		Revised Notice of 93-05-06 Meeting and Agenda
N65	94-03-09		Form 8A Submission for DIS 13419 (Packet Telemetry)
N66	94-03-09		Form 8A Submission for DIS 13764 (SF DU CA)
N67	94-03-09		Transmittal Letter to ISO re DIS13419/13764
N68	94-03-24		Form 8A Submission for DIS 12171 (T/C-Channel Services)
N69	94-03-24		Form 8A Submission for DIS 12172 (T/C-Data Routing Services)
N70	94-03-24		Form 8A Submission for DIS 12173 (T/C-Command Operating Procedures)
N71	94-03-24		Form 8A Submission for DIS 12174 (T/C-Data Management Services)
N72	94-03-24		Form 8A Submission for DIS 12175 (SF DU-Structure & Construction Rules)

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
N73	94-03-24		Transmittal Letter to ISO re DIS12171-12175
N74	94-04-08		SC 13 Secretariat Report to ISO/TC20/SC13 Meeting in Villafranca
N75	94-09-27	S(N75/1)	Minutes of 7th Meeting of ISO/TC20/SC13 (Villafranca)
N75/1	94-10-14		Correction to Attachment D to Minutes of 7th Meeting
N76	94-09-28		Form 8A Submission for DIS 13764 F (SFDUs CA Procedures)
N77	94-09-29		Transmittal Letter to ISO re DIS 13764 F
N78	94-10-13		Draft Agenda for 94-11-11 Meeting
N79	94-10-13		SC 13 Secretariat Report to ISO/TC20/SC13 Meeting in Greenbelt
N80	94-11-02		Letter to Mr. A. V. Mitin, NIISU Director (Russia)
N81	95-02-01		Minutes of 8th Meeting of ISO/TC20/SC13 Meeting in Greenbelt
N82F	94-11-15		Form 8A Submission for DIS 12172 (F) (T/C-Data Routing Services)
N83F	94-11-15		Form 8A Submission for DIS 12174(F) (T/C-Data Management Services)
N84	94-11-15		Transmittal Letter to ISO re DIS 12172 and 12174 (F)
N85	94-11-15		New Work Item Proposal by SC 14 re Space Systems-Archiving Space Data
N86	94-11-15	C(6/95)	New Work Item Proposal by SC 14 re Space Systems-Mission Opns Concept
N87	94-11-15	C(6/95)	New Work Item Proposal by SC 14 re Space Systems-Mission Opns Function
N88	94-12-20		Liaison between ISO/TC 211 and ISO/TC 20/SC 13
N89F	94-11-15		Form 8A Submission for DIS 13419 (Packet Telemetry) (F)
N90	94-11-15		Transmittal Letter to ISO re DIS 13419
N91	94-12-12		Letter to ISO Central Secretariat re 94-11-11 Meeting
N92	94-12-13		Current Status of ISO/TC 20 Draft Standards
N93	95-01-06		Liaison between INTELSAT and ISO/TC 20/SC 13
N94	95-01-06		Liaison between CEOS and ISO/TC 20/SC 13

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
N95	95-01-12	S(N95/1)	Preliminary Notice of 1995-05-12 Meeting and Agenda
N95/1	95-03-10		Draft Agenda for 95-05-12 Meeting
N96	95-03-17		Letter to ISO/TC20/SC13 Distribution re 1995-05-12 Mtg
N97	95-05-01		SC 13 Secretariat Report to ISO/TC20/SC13 Meeting in St. Hubert
N98	95-05-12		Form 8A Submission for DIS 13420 (AOS Networks&Data Links: Architectural Specification)
N99	95-05-	C	Transmittal Letter to ISO re DIS 13420
N100	95-05-26		Letter to ISO Central Secretariat re 95-05-12 Meeting
N101	95-05-12		Minutes of 9th Meeting of ISO/TC20/SC13 in St. Hubert
N102	95-05-12		Form 8A Submission for CCSDS 641.0-B-1 (Parameter Value Language Specification) as DIS document
N103	95-05-12		Form 8A Submission for CCSDS 642.0-B-1 (ASCII Encoded English) as DIS document
N104	95-06-09		Letter to ISO/TC 20/SC 13 Distribution re Update to Directory
N105	95-06-12		Letter to Standards Council of Canada
N106	95-07-10		SC13 Secretariat Report to TC20 Plenary at Washington DC
N107	95-07-05		Letter to ISO Central Secretariat re Data Archiving WI
N108	95-07-05		Letter to ISO Central Secretariat re Mission Ops WI's (joint letter from SC13 and SC 14)
N109	95-07-03	S(N109/1)	Preliminary Notice of 1995-11-16 Meeting and Agenda
N109/1	95-11-07		Draft Agenda for 95-11-16 Meeting
N110	95-10-12		SC 13 Secretariat Report to ISO/TC20/SC13 Mtg in Toulouse
N111	95-08-07		Letter to ISO/TC20/SC13 Chair re 13419 Report of Voting
N112	95-08-08		Letter to ISO Central, Approval of coversheet document for ISO/DIS 14961 and 14962

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
N113	95-08-09		Letter to ISO Central Secretariat re Request for Addition to Cover Pages for ISO/DIS 12171 thru 12174
N114	95-08-21		Letter to ISO/TC20/SC13 Chair re 13764 Report of Voting
N115	95-09-11		Letter to ISO/TC20/SC13 Distribution re 1995-11-16 Mtg
N116	95-10-02		Letter to ISO/TC 20/SC 13 Chair re 12172 Report of Voting
N117	95-10-02		Letter to ISO/TC 20/SC 13 Chair re 12174 Report of Voting
N118	95-10-02		Letter to ISO Central Secretariat, Approval of coversheet document for ISO/DIS 13420
N119	95-10-05		Letter to ISO Central Secretariat re Addition to cover pages for ISO 12171, 12172, and 12173 and 12174
N120	95-10-12		Information for ISO/TC 20/SC 13 10th Meeting - 16 November 1995
N121	95-11-10		SC 13 Secretariat Report to ISO/TC 20/SC 13 Meeting in Toulouse
N122	95-11-16		Minutes of 10th Meeting of ISO/TC 20/SC 13 in Toulouse
N123	95-11-28		Letter to ISO Central Secretariat, Approval of Proof for ISO 13764
N124(F)	95-12-04		Letter to ISO Central Secretariat re ISO/DIS 13420 - corrected page to French text
N125	96-01-22		Letter to ISO Central Secretariat re 95-11-16 Meeting
N126(F)	95-12-04		Form 8A, Submission for ISO/DIS 14962 (ASCII Encoded English) (F)
N127	96-01-22		Letter to Mr. Niechoda (Poland)
N128	96-01-22		Letter to Mr. Taneja (India)
N129	96-01-22	S(N129/1)	Preliminary Notice of 1996-05-14 Meeting and Agenda
N129/1	96-05-01		Draft Agenda for 96-05-14 Meeting
N130(F)	96-01-17		Form 8A, Submission for ISO/DIS 14961 (Parameter value language Specification) (F)
N131	96-01-23		Letter to SC 13 re Review of ISO 11103 and 11104
N132	96-02-05		Status of ISO/TC 20/SC 13 Work Program

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
N133	96-03-05		Letter to TC 211 re Liaison activities
N134	96-02-07		Letter to ISO Central Secretariat re NWI 14721, Space systems -- Archiving space data
N135	96-03-12		Letter to ISO/TC 20/SC 13 regarding May 1996 meeting
N136	96-05-01		SC 13 Secretariat Report to ISO/TC 20/SC 13 Meeting in Pasadena
N137	96-05-14		Minutes of 11th Meeting of ISO/TC 20/SC 13 in Pasadena
N138	96-05-22		Archiving Model to Canada for transmittal to TC211
N139	96-06-11		Letter to ISO Central re DIS 12171.2 -- Telecommand--Channel Service
N140	96-06-11		Letter to ISO Central re DIS 13419 -- Packet Telemetry
N141	96-06-11		Letter to ISO Central Secretariat re 96-05-14 Meeting
N142	96-06-11		Letter to ISO/TC 211 re Relationship between CCSDS and TC 20/SC 13
N143(E)	96-06-11		Form 8A Submission for CCSDS 632.0-B-1 (Standard Formatted Data Units-- Control Authority Data Structures)
N143(F)	97-05-09		Form 8A Submission for CCSDS 632.0-B-1 (Standard Formatted Data Units-- Control Authority Data Structures)
N144(E)	96-06-11		Form 8A Submission for CCSDS 910.4-B-1 (Cross Support Reference Model, Part 1: SLE Services) (English text)
N144(F)	96-		Form 8A Submission for CCSDS 910.4-B-1 (Cross Support Reference Model, Part 1: SLE Services) (French text)
N145	96-07-03		Preliminary Notice of 1996-11-15 Meeting and Agenda
N146	96-07-15		Letter to ISO/TC 20/SC 13 regarding Status of Proposed Work Items in the Mission Operations Area
N147	96-07-22		Letter to ISO Central re revised French & English texts for ISO/DIS 13419
N148	96-07-22		Letter to ISO Central re English text for ISO/DIS 12171:2
N148(F)	96-08-07		Letter to ISO Central re French text for ISO/DIS 12171:2
N149	96-08-07-		Letter to ISO Central re Liaisons with other ISO committees

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
=====			
N150	96-09-06		Periodical Review of International Standards (11103 and 11104)
N151	96-09-16		Letter to ISO Central re CCSDS Work Items
N152	96-10-03		Letter to Mr. Wittner (Argentina)
N153	96-11-15		SC 13 Secretariat Report to ISO/TC 20/SC 13 Meeting in Germany
N154	96-11-15		Minutes of 12th Meeting of ISO/TC 20/SC 13 in Germany
N155	97-01-21		Preliminary Notice of 1997-05-28 Meeting and Agenda
N155/1	97-05-15		Draft Agenda for 1997-05-28 Meeting
N156	97-01-28		SC13 Secretariat Report to TC20 - 1997
N157	97-05-15		SC 13 Secretariat Report to ISO/TC 20/SC 13 Meeting in Brazil
N158	97-05-28		Minutes of 13th Meeting of ISO/TC 20/SC 13 Meeting in Brazil
N159	97-07-14		Preliminary Notice of 1997-11-14 Meeting and Agenda
N160	97-10-10		Form 8A Submission for CCSDS 121.0-B-1: Lossless Data Compression
N161	97-10-10		Form 8A Submission for CCSDS 622.0-B-1: Standard Formatted Data Units -- Referencing Environment
N162	97-10-10		Form 8A Submission for CCSDS 644.0-B-1: The Data Description Language EAST Specification
N163	97-10-10		Form 8A Submission for CCSDS 704.0-B-1, Advanced Orbiting Systems, Networks and Data Links: Audio, Video and Still-image Comm Services
N164	97-11-14		SC 13 Secretariat Report to ISO/TC 20/SC 13 Meeting in England
N165	97-11-14		Draft ISO/TC 20/SC 13 Master Plan
N166	97-11-14		Minutes of the 14th Meeting of ISO/TC 20/SC 13 Meeting in England
N167	97-12-02		Form 8A Submission of CCSDS 713.0-R, Space Communications Protocol Specification (SCPS)--Network Protocol (SCPS-NP)

LOG OF DOCUMENTS FOR ISO TC 20/SC 13 (Continued)

"N"- Number	Date Issued	Status *	Description
=====			
N168	97-12-02		Form 8A Submission of CCSDS 713.5-R, Space Communications Protocol Specification (SCPS)--Security Protocol (SCPS-SP)
N169	97-12-02		Form 8A Submission of CCSDS 714.0-R, Space Communications Protocol Specification (SCPS)--Transport Protocol (SCPS-TP)
N170	97-12-02		Form 8A Submission of CCSDS 717.0-R, Space Communications Protocol Specification (SCPS)--Security Protocol (SCPS-SP)
N171	98-01-28		Preliminary Notice of 1998-06-09 Meeting and Agenda
N171.1	98-05-08		Draft Agenda for 1998-06-09 Meeting
N172	98-06-09		SC 13 Secretariat Report to ISO/TC 20/SC 13 Meeting in Japan
N173	98-08-xx		Minutes of the 15th Meeting of ISO/TC 20/SC 13 Meeting in Japan
N174	98-07-01		Letter forwarding PKT TLM Services BB for progressing to ISO IS
N175	98-07-24		Preliminary Notice of 1998-11-06 Meeting in Japan
N175.1	98-09-xx		Draft Agenda for 1998-11-06 Meeting
N176	98-08-28		Letter accepting Dr. Markarian as CCSDS Associate Member
N177	98-09-22		SC13 Secretariat Report to ISO/TC20/SC13 Meeting in Germany
N178	98-09-22		Form 8A Submission for CCSDS 103.0-B-1: Packet Telemetry Services Blue Book Dated May 1996

Documents Received from ISO Central Secretariat
May 1998 - November 1998

From	Date	Subject
Francois Abram	1998-05-25	Table of replies re results of voting on Telecommand - Channel Service
Francois Abram	1998-05-25	Table of replies re results of voting on Telecommand - Data Management Service
Francois Abram	1998-05-25	Table of replies re results of voting on Telecommand - Command Operation Procedures
Lawrence D. Eicher	1998-07-02	List of ISO Central Secretariat staff contacts and direct telephone numbers
Michael Smith	1998-07-13	Decisions taken by Technical Management Board
Francois Abram	1998-07-14	Proposal for liaison between ECSS and ISO/TC/SC-13
Francois Abram	1998-07-23	Request for draft agenda for 6 November 1998 meeting of ISO/TC20/SC13
Matthew Williams	1998-07-30	Notice of subcommittee secretariats meeting on Oct 19 in Vienna
Lawrence Eicher	1998-08-11	Invitation to ISO/TC/SC13 meeting on 6 November in Darmstadt
Francois Abram	1998-08-25	Listing of ISO Technical Committees
Francois Abram	1998-08-31	Table of replies re results of voting on AOS: Audio, Video and Still-Image Communications Services
Francois Abram	1998-08-31	Table of replies re result of voting on SFDU: Referencing Environment
Francois Abram	1998-08-31	Table of replies re results of voting on Data Description Language - EAST specification

ATTACHMENT B

ACTION ITEMS FROM JUNE 1998 MEETING

ACTION ITEMS
ISO/TC 20/SC 13 MEETING
Tokyo, Japan
09 June 1998

SC-13/93-1. SC 13 members should investigate recommendations being developed by standards bodies other than CCSDS, and consider whether any of these recommendations should be submitted to SC 13 with the goal of becoming ISO standards.

Assignee: All SC 13 Members and Liaison Organizations
Due Date: Open -- continuing action

SC-13/98-1. The Secretariat will provide a follow-up report on status of resolution N166-2:

“N166-2. SC 13 resolves to request a Category A liaison with the European Cooperation for Space Standardisation (ECSS), with CSA/Mr. Bastikar as the point of contact with the Steering Committee, and ESA/Mr. Jabs as the point of contact with the Technical Panel and Working Group E50. The Secretariat will inform ISO Central Secretariat of its desire for liaison status.”

Assignee: Secretariat
Due Date: July 15
Status: ECSS has been contacted twice by Secretary General, but has not yet responded.

SC-13/98-2. Mr. Townley and Mr. Hooke will bring the issue of the proposed SC 13 name change to the TAG 20 meeting in July 1998; based on the outcome of conferring with TAG 20, Mr. Townley will bring the issue to the TC 20 meeting in October 1998 and inquire whether other subcommittees exist that might better accommodate the interests of the aircraft flight test/test range community.

Assignee: Mr. Hooke and Mr. Townley
Due Date: July/October 1998
Status: NASA proposes that this action item be canceled.

SC-13/98-3. The U.S. will prepare a white paper on the potential benefits weighed against the potential impacts relating to changing the name of SC 13. The white paper will include discussion of some scenarios on how the expanded scope of SC13 might translate into actual changes in the working of the subcommittee.

Assignee: Mr. Hooke and Mr. Townley
Due Date: Next Meeting
Status: NASA proposes that this action item be canceled.

SC-13/98-4. The Secretariat will attempt to arrange a joint meeting between SC13 and SC14 to address areas of common interest.

Assignee: Secretariat

Due Date: August 15

Status: Open. Discussions to be held with Secretariat of SC14 in October. Topics of discussion to include:

- 1) Resolution 78 in Minutes of Plenary Session, "SC14 instructs the Chairman to request the ISO Central Secretariat to contact the United Nations Committee on the Peaceful Uses of Outer Space and request it to allocate one half-day session on space standardization in the conference program of UNISPACE III to be held in Vienna, Austria from July 19-30, 1999. Further SC14 wishes to seek the support of SC13 in this endeavor and invites all delegates to support this action through their national representatives at the UN COPUOS meeting."
- 2) One Objective of SC14 Master Plan, "Collaborate with SC13 on topics of mutual interest (assigned to Secretariats as a Permanent Action)."

ATTACHMENT C
PROGRAM OF WORK

STATUS OF ISO/TC20/SC13 WORK PROGRAM AS OF 1 NOVEMBER 1998
COMPLETED WORK ITEMS
 (Approved International Standards)

ISO NUMBER	TITLE	BASED ON CCSDS DOC		CURRENT STATUS
		Doc.#	Date	
ISO 11103	Radiometric & Orbit Data: 1991	501.0-B-1	87-01	Reconfirmed 1996
ISO 11104	Time Code Formats: 1991	301.0-B-2	90-04	Reconfirmed 1996
ISO 12172	Telecommand Part 2--Data Routing Services	202.1-B-2	92-11	Published
ISO 11754	Telemetry Channel Coding: 1994	101.0-B-3	92-05	Published
ISO 12175	SFDU-Structure & Construction Rules: 1994	620.0-B-2	92-05	Published
ISO 13419	Packet Telemetry: 1997	102.0-B-3	92-11	Published
ISO 13420	AOS, N&DL: Architectural Specification:1997	701.0-B-2	92-11	Published
ISO 13764	SFDU--Control Authority Procedures: 1996	630.0-B-1	93-06	Published
ISO 14961	PVL Specification (CCSD 0006)	641.0-B-1	92-05	Published
ISO 14962	ASCII Encoded English (CCSD 0002)	643.0-B-1	92-11	Published
ISO 15395	SFDU-Control Authority Data Structures	632.0-B-1	94-11	Published
ISO 15396	Cross Support Reference Model-SLE Services	910.4-B-1	96-05	Published
ISO 12171	Telecommand Part 1--Channel Services	201.0-B-1	87-01	Published
ISO 12173	Telecommand Part 2.1--Command Op. Proc.	202.1-B-1	91-10	Published
FDIS 12174	Telecommand Part 3--Data Mgmt. Procedures	203.0-B-1	87-01	Published

STATUS OF ISO/TC20/SC13 WORK PROGRAM AS OF 1 NOVEMBER 1998

(Items in Progress)

ISO NUMBER	TITLE	BASED ON CCSDS DOC		CURRENT STATUS
		Doc.#	Date	
CD 14721	Space Systems - Archiving Space Data	--	--	CD study initiated.
DIS 15887	Lossless data compression	121.0-B-1	97-05	DIS distributed for review; French text required.
DIS 15888	Standard formatted data units -- Referencing environment	622.0-B-1	97-05	Voting completed - 100% affirmative
DIS 15889	Data description language - EAST specification	644.0-b-1	97-05	Voting completed - 100% affirmative
DIS 15890	AOS Audio/Video and Still-Image Communications Services	704.0-B-1	94-05	Voting completed- 100% affirmative
DIS 15891	Space communications protocol specification (SCPS)-- Network protocol (SCPS-NP)	713.0-R-3	97-09	Voting completed-___% affirmative
DIS 15892	Space communications protocol specification (SCPS) -- Security protocol (SCPS-SP)	713.5-R-3	97-09	Voting completed-___% affirmative
DIS 15893	Space communications protocol specification (SCPS) -- Transport protocol (SCPS-TP)	713.4-R-3	97-09	Voting completed-___% affirmative
DIS 15894	Space communications protocol specification (SCPS) -- File protocol (SCPS-FP) Packet Telemetry Services	717.0-R-3	97-09	Voting completed-___% affirmative

ATTACHMENT D
BRAZIL REPORT



ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)
BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

Brazil/ABNT REPORT

SC-13/TC-20/ISO MEETING

06 November 1998
Darmstadt, Germany



ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT) **BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)**

- The 'FIRST NATIONAL CONFERENCE ON SPACE STANDARDS (I ENNE)', held in 24 June of 1998, in São José dos Campos, SP, Brazil, sponsored by the Brazilian Space Agency (AEB), officially presented to the pertinent Brazilian community, the structure and organization which is being consolidated of the new, Brazilian SC 08:001/CB-08/ABNT Sub-Committee of 'Space Activity'. During the mentioned event, dominant emphasis was given to the presentation of the -six- Commissions-of-Studies (CEs) of the SC 08:001/CB-08/ABNT Subcommittee, which correspond to the existing five Working Groups (WGs) of SC-14/TC-20/ISO and to the SC-13/TC-20/ISO Subcommittees, respectively. The pertinent Commission of Studies corresponding to SC-13/TC-20/ISO is defined by CE 08:001.06, under the name of 'Space Data and Information Systems'. The CB-08/ABNT is the Brazilian Committee of 'Aeronautics and Space', corresponding to TC-20/ISO. All the Brazilian ABNT standardization bodies mentioned in this context have their organizations and thematic scope based essentially on the same organizational procedures and scope of their corresponding ISO standardization bodies.

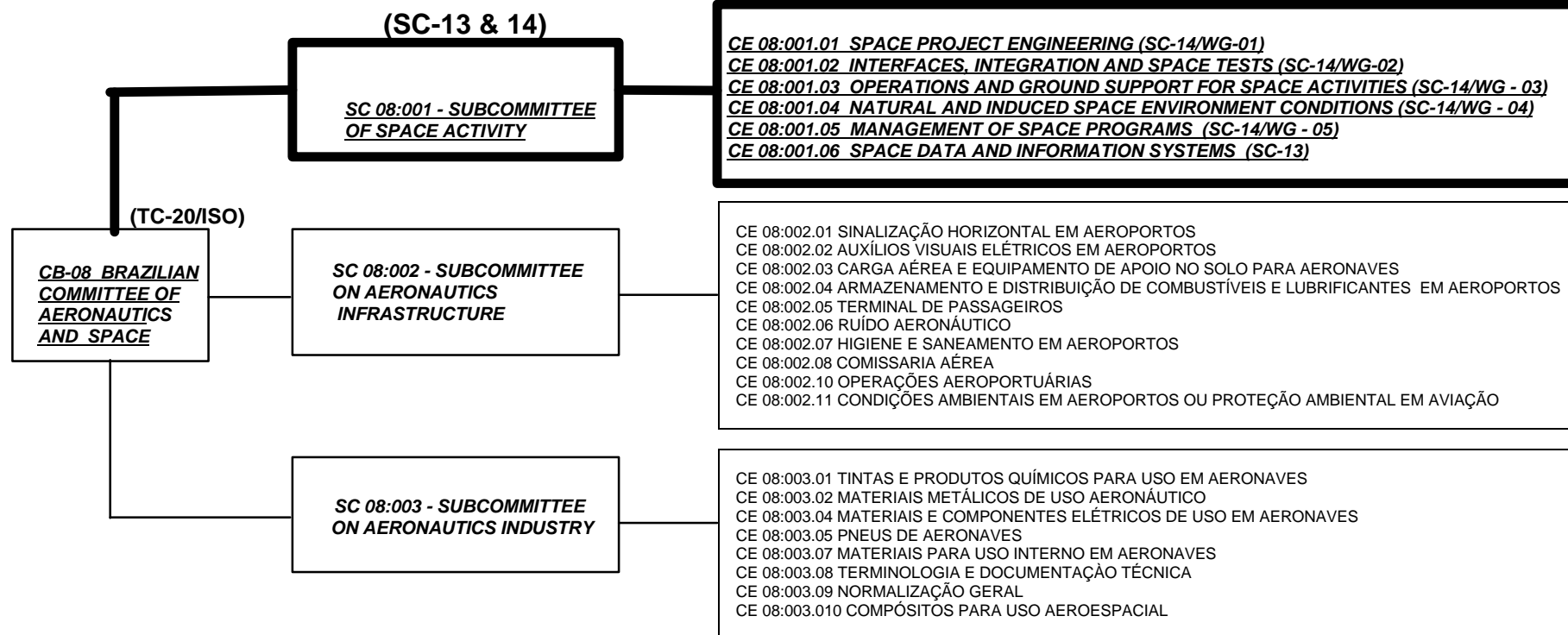


ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)
BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

- SITUATION OF SC-13/TC-20/ISO AND SC-14/TC-20/ISO SUBCOMMITTEES IN RESPECT TO THE ORGANOGRAM OF THE BRAZILIAN SC-08:001/CB-08/ABNT SUBCOMMITTEE OF SPACE ACTIVITY.

ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT) BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

- COMMISSIONS OF STUDIES (CEs) -



ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT) **BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)**



SUBCOMITÊ DE ATIVIDADE ESPACIAL (SC 08:001) - Brasil
SUBCOMMITTEE OF SPACE ACTIVITY (SC 08:001) - Brazil
(Incorporates SC-13 & SC-14/TC-20/ISO Activities, in Brazil)



COMITÊ BRASILEIRO DE AERONÁUTICA E ESPAÇO (CB-08)
BRAZILIAN COMMITTEE OF AERONAUTICS AND SPACE (CB-08)



ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)
BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

Instituto Nacional de Pesquisas Espaciais - INPE
Ministério da Ciência e Tecnologia - MCT
São José dos Campos, SP
- BRASIL -



- BRAZILIAN INFORMATION NETWORK FOR THE STANDARDIZATION OF SPACE ACTIVITIES (RBNAE) -



URL: <http://www.atsme.inpe.br/SC-08_001>
(URL site under construction)

ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT) **BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)**

- THE FOLLOWING INFORMATION DETAILS THE SPECIFIC COORDINATIONS OF EACH OF THE SIX COMMISSION OF STUDIES (CEs) OF THE BRAZILIAN SC 08:001/CB-08/ABNT SUBCOMMITTEE, WHICH ARE CORRESPONDENTS TO THE SC-13 & 14/TC-20/ISO SUBCOMMITTEES AND PERTINENT WORKING GROUPS (WGs).

ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)

BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

CE 08:001.01 - COMISSÃO DE ESTUDOS EM ENGENHARIA DE PROJETO ESPACIAL (WG-01/SC-14/TC-20/ISO)
CE 08:001.01 - COMMISSION OF STUDIES ON SPACE PROJECT ENGINEERING (WG-01/SC-14/TC-20/ISO)

COMITÉ BRASILEIRO DE AERONÁUTICA E ESPAÇO (CB-08)
BRAZILIAN COMMITTEE OF AERONAUTICS AND SPACE (CB-08)

ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)
BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

COORDENADOR/COORDINATOR: Eng^o Ralph Correa

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- BRAZILIAN INFORMATION NETWORK FOR THE STANDARDIZATION OF SPACE ACTIVITIES (RBNAE) -
URL: <http://www.atsme.inpe.br/SC-08_001/CE-08_001.01>
(URL site under construction)

ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT) **BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)**

CE 08:001.02-COMISSÃO DE ESTUDOS EM INTERFACES, INTEGRAÇÃO E ENSAIOS ESPACIAIS (WG-02/SC-14/TC-20/ISO)

CE 08:001.02 - COMMISSION OF STUDIES ON INTERFACES, INTEGRATION AND SPACE TESTS (WG-02/SC-14/TC-20/ISO)

COMITÊ BRASILEIRO DE AERONÁUTICA E ESPAÇO (CB-08)
BRAZILIAN COMMITTEE OF AERONAUTICS AND SPACE (CB-08)

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ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)

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**CE 08:001.03 - COMISSÃO DE ESTUDOS EM OPERAÇÕES E APOIO NO SOLO PARA ATIVIDADES ESPACIAIS
(WG-03/SC-14/TC-20/ISO)**

**CE 08:001.03 - COMMISSION OF STUDIES ON OPERATIONS AND GROUND SUPPORT FOR SPACE ACTIVITIES
(WG-03/SC-14/TC-20/ISO)**

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ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)

BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

**CE 08:001.04 - COMISSÃO DE ESTUDOS EM CONDIÇÕES AMBIENTAIS, ESPACIAIS, NATURAIS E INDUZIDAS
(WG-04/SC-14/TC-20/ISO)**

**CE 08:001.04 - COMMISSION OF STUDIES ON NATURAL AND INDUCED SPACE ENVIRONMENT CONDITIONS
(WG-04/SC-14/TC-20/ISO)**

COMITÊ BRASILEIRO DE AERONÁUTICA E ESPAÇO (CB-08)
BRAZILIAN COMMITTEE OF AERONAUTICS AND SPACE (CB-08)

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ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)

BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

CE 08:001.05 - COMISSÃO DE ESTUDOS EM GERENCIAMENTO DE PROGRAMAS ESPACIAIS (WG-05/SC-14/TC-20/ISO)

CE 08:001.05 - COMMISSION OF STUDIES ON MANAGEMENT OF SPACE PROGRAMS (WG-05/SC-14/TC-20/ISO)

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ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)

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CE 08:001.06 - COMISSÃO DE ESTUDOS EM SISTEMAS ESPACIAIS DE DADOS E INFORMAÇÕES (SC-13/TC-20/ISO)

CE 08:001.06 - COMMISSION OF STUDIES ON SPACE DATA AND INFORMATION SYSTEMS (SC-13/TC-20/ISO)

COMITÊ BRASILEIRO DE AERONÁUTICA E ESPAÇO (CB-08)
BRAZILIAN COMMITTEE OF AERONAUTICS AND SPACE (CB-08)

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URL: <http://www.atsme.inpe.br/SC-08_001/CE-08_001.06>

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ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS (ABNT)

BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS (ABNT)

CE 08:001.06 SPACE DATA AND INFORMATION SYSTEMS: *ORGANIZATION*

ENTITIES/COMPANIES INVOLVED WITH THE SCOPE OF THE COMMISSION OF STUDIES (CE 08:001.06)

1. Instituto Nacional de Pesquisas Espaciais (INPE)/Ministério da Ciência e Tecnologia (MCT);
2. Brazilian Space Agency (AEB)/Presidency (PR);
3. Aerospace Technical Center (CTA) /Ministry of Aeronautics (Maer);
4. Entities/Companies affiliated to the Brazilian Association of Aerospace Industries (AIAB);
5. Brazilian Association for the Interconnection of Open Systems (BRISA);
6. Laboratory of Computer Architecture and Networks (LARC/DCS/EPUSP);
7. Others, by adherence.

ATTACHMENT E

CHINA REPORT

China Report for TC20/SC13

We answered DIS as follows:

DIS 12171 Space data and information transfer systems -
Telecommand-Channel Service-Architectural specification

DIS 12173 space data and information transfer systems-
Telecommand-Command operation procedures

DIS 12174 Space data and information transfer systems-
Telecommand-Data management service-Architectural
specification

DIS 15887 Space data and information transfer systems-
Data systems-Lossless data compression

DIS 15888 Space data and information transfer systems-
Standard formatted data units-Referencing Environment

DIS 15889 Space data and information transfer systems-Data
description language-EAST specification

DIS 15890 Space data and information transfer systems-
Advanced orbit systems, network and data links-Audio, video
and still image communication services

DIS 15891 Space data and information transfer systems-
Protocol specification for space communication-Network
Protocol

DIS 15892 Space data and information transfer systems-
Protocol specification for space communication-Security
Protocol

DIS 15893 Space data and information transfer systems-
Protocol specification for space communication-Transport
Protocol

DIS 15894 Space data and information transfer systems-
Protocol specification for space communication-File Protocol

We are studying CCSDS and SC13 standards, making some model machines according to CCSDS and SC13 standards, such as "packet telemetry" model machine, etc.

ATTACHMENT F

FRANCE REPORT

**CNES REPORT
TC/20/SC13 MEETING
DARMSTADT November 1998**

INTRODUCTION

- CNES continues to provide the chairmanship of TC/20/SC/13 .
- CNES is working with SC/13 secretariat and with ISO secretariat in order to move CCSDS blue books to ISO normes according to ISO procedures .
- CNES is also working with B N A E (French Office for Space and Aerospace Standardisation) in order to promote CCSDS recommandations in the French industry community

CNES support to SC/13 activities.

Approval

- After CNES agreement, AFNOR approved for France without comment, following ISO documents
 - DIS 15888 (CCSDS 622.0-B-1) Standard formatted data units-Referencing environment .
 - DIS 15889 (CCSDS 644-0-B-1) Data description language -EAST specification
 - DIS 15890 (CCSDS 704-0-B-1) AOS Audio/Video and Still-Image Communications Services
 - After CNES comments ,AFNOR abstained for France ,on following documents .
 - DIS 15891 (713.0-R-3) SCPS Network protocol
 - DIS 15892-(713.5-R-3) SCPS Security protocol
 - DIS 15893 (713.4-R-3) SCPS Transport protocol
 - DIS 15894 (717.0-R-3) SCPS File protocol
- The French position (Abstention) is only formal and result from the fact that CNES has been unable to validate SCPS recommendations. The short term application of SCPS is not a priority for identified French national project and accordingly the SCPS validation is not a priority .

French translation

- For 622-0-B1 SFDU referencing environment ,French translation has been forwarded to ISO secretariat.
- For 644-0-B1 Language East Specification , French translation is finished and will be forwarded to ISO secretariat at the end of November .
- For 103-0-B-1 Packet Telemetry Services,CNES start french translation in August .
- For 704 0-B-1 AOS Networks and Data links Audio ,video,and Still Image ,CNES is awaiting French translation from CSA.

Other standardisation activities

-In the field of Space Standardisation CNES is working for ECSS (European Cooperation for Space Standardisation) ,notably in drafting group E 70 Space Engineering Ground Systems and Operations.

The ECSS document E 70 draft 12 has been approved by ECSS Technical Panel in September

For ISO/TC/20/SC/14/WG 3 CNES is working in following drafting groups:

WD 14620 Launch Operations (in D I S)

WD 14950 Satellite Operability (New issue after committee draft comments)

WD 14711 Space system.Mission Operation concept Checklist(new issue)

-Due to working load problems CCSDS -CNES server is not in progress since May 97.

ATTACHMENT G

JAPAN REPORT

Following 7 Documents are Approved by Space Data Committee

ISO/DIS	15887 : Space data and information transfer systems - Data systems - Lossless data compression
ISO/DIS	15888: Space data and information transfer systems - Standard formatted data units - referencing environment
ISO/DIS	15889: Space data and information transfer systems - Data description language - EAST specification
ISO/DIS	15891: Space data and information transfer systems - Protocol specification for space communications - Network protocol
ISO/DIS	15892: Space data and information transfer systems - Protocol specification for space communications - Security protocol
ISO/DIS	15893: Space data and information transfer systems - Protocol specification for space communications - Transfer protocol
ISO/DIS	15894: Space data and information transfer systems - Protocol specification for space communications - File protocol

Following Document is Approved by Space Data Committee with comment

ISO/DIS	15890: Space data and information transfer systems - Advanced orbiting systems, networks and data links - Audio, video and still - image communications services
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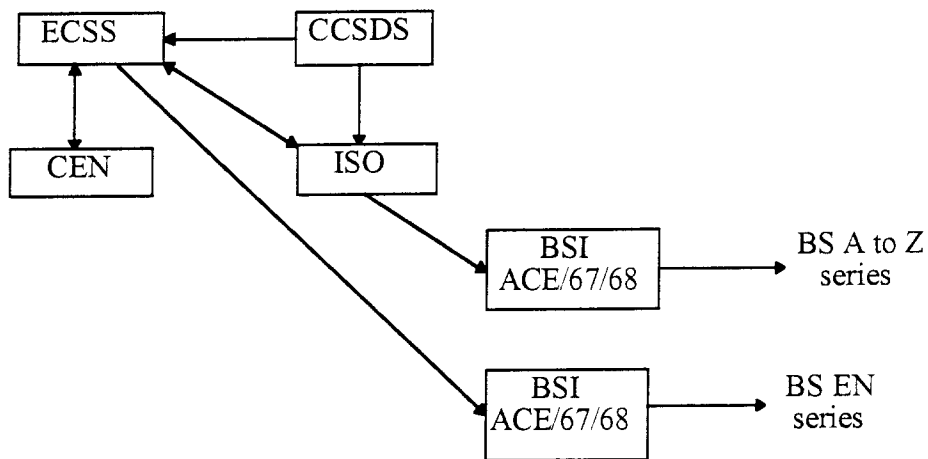
There are many standard referred in DIS 15890, that are existed, name changed or proposed. It is necessary to clarify the correspondance between referred standards and existing standards.

ATTACHMENT H
GREAT BRITAIN REPORT

BNSC REPORT TO SC 13, November 6, 98

The documents from SC 13 are reviewed in the UK by a committee of the British Standards Institute (BSi) i.e. the Aerospace Committee ACE/67. A similar committee i.e. ACE/68, Space Systems and Operations, reviews the documents from SC 14. ACE/68 met on 27 October 98 for this purpose and also resolved to encourage more support to the SC 14 Working Groups from the UK. In addition it discussed the relationship with the ECSS and the procedures when ECSS and CEN documents are passed to ISO for process as ISO documents. The interface with ECSS is replicated below.

ACE/68 were in favour of a joint meeting between SC13 and 14 and noted the proposed dates for the upcoming planned meetings of the individual committees i.e. SC13 19 May 99 and SC14 May 99 in Turin.



SC 13 Documents

1. The documents from SC 13 which have been agreed recently by the UK are as follows:

ISO/DIS 15888 SFDU Referencing Environment
ISO/DIS 15889 EAST Data Description
ISO/DIS 15890 AOS Audio and Video
ISO/DIS 15891 SCPS Network Protocol
ISO/DIS 15892 SCPS Security Protocol
ISO/DIS 15893 SCPS Transport Protocol
ISO/DIS 15894 SCPS File Protocol ISO 11103:1991 Radio Metric and Orbit Data

2. Now Adopted as BSi Standards

BZ10 Standard Format Data Units - Control Authority Data Structure
BZ11 Cross Support Reference Model - Space Link Extension Services
BZ12 Telecommand - Channel Service - Architectural Specification
BZ13 Telecommand - Data Management Service - Architectural Specification
BZ14 Telecommand - Command Operation Procedures
BZ15 Telecommand - Data Routing Service

Workshops

Members of ACE/67 and the CCSDS within the UK were involved in a Workshop on "Data Access-Archiving to Real Time" held in Edinburgh 15 and 16 October 98. This workshop was sponsored by BNSC, CEO, ESA and the Remote Sensing Society and covered both access of data, particularly Earth Observation Data, and the evolving data standards in this area. This was very productive and we were able to make the community aware of the importance of the Standards from SC13 but also to show how this related to the work within ECSS, CEN, CEOS and the CCSDS.

P Vaughan 30.10.98 BNSC

ATTACHMENT I
UNITED STATES REPORT

U.S. Report to ISO/TC20/SC13

**ISO/TC20/SC13 Meeting #17
Darmstadt, FRG**

06 November 1998

***Adrian J. Hooke
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U.S. Activities: 06/98 - 11/97

- **Attended US Technical Advisory Group (USTAG20) meeting in Washington, DC, 14 July 1998**
- **Attended TC20 Plenary meeting, Vienna, 19-20 October 1998**
 - **Represented SC13 Secretariat at Secretariat's meeting**
 - **Gave SC13 status report to the Plenary assembly**
 - **Discussed potential cooperative work with SC14 Secretariat**
 - **"Plug-'n-Play" spacecraft/payload interface standards**
 - **Joint session at UNISPACE III, Vienna, 19-30 July 99 timeframe**